

Date: Wed, 30 Jun 93 11:35:47 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #799  
To: Info-Hams

## Today's Topics:

2m HT  
Cushcraft R7 SWR Problems  
Good Band for CW QRP Operation  
Icom IC229 mods - problems  
Need help finding kits!!!  
Pirate Radio  
Questions about wire.  
Repeater coordination, complaints? (5 msgs)  
Where to find beginner's rigs?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 30 Jun 93 14:00:36  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
darwin.sura.net!news.larc.nasa.gov!larry.larc.nasa.gov!partos@network.UCSD.EDU  
Subject: 2m HT  
To: info-hams@ucsd.edu

Check out the Radio Shack HTX-202. I have been very satisfied with this rig. A lot of good features, lists for \$260, but can be obtained mail order from Marymacin Texas for less ( I paid \$210 ).

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|-----|  
| Richard D. Partos KE4AZJ Norfolk, VA |

| Internet: r.d.partos@larc.nasa.gov |

-----  
Date: Wed, 30 Jun 1993 16:40:27 GMT  
From: pipex!bnr.co.uk!bnrgate!corpgate!nrtpa038!harp@uunet.uu.net  
Subject: Cushcraft R7 SWR Problems  
To: info-hams@ucsd.edu

In article <1993Jun30.131642.1@ntc01.tele.nokia.fi> campos@ntc01.tele.nokia.fi writes:

>Hello and thanks for reading this. I am using a CUSHCRAFT R7 Vertical  
>and I am having "many" frustrating afternoons trying to tune it for  
>17 meters and especially on 30 meters. There is NO DIP in SWR on  
>30 meters ANYWHERE. I know the traps aren't bad because its "practically"  
>new. I have an SWR DIP on 17 meters but I would like the SWR lower.  
>On 17 its tuned at around 18.034 or so and I cant get it to tune to the  
>center of the band (I have tried everything). On 30 meters there is no  
>SWR point lower than a 3:1 everywhere. My guess is that it is tuned  
>"somewhere" below 10.000 MHZ I am starting to wonder if other people  
>have had this "problem". I have heard rumors but didnt beleive them.  
>I have it working fine on all the other bands but 17 and 30 are bands I  
>want to take advantage of. If you have any suggestions, please let  
>me know. I use an ICOM-751A and an amplifier COMMANDER HF-2500 into  
>the R7. (I only run about 400 Watts to be safe!) the R7 is mounted on  
>the ground in the "forest." Any sugges[Qtions are appreiated! If you  
>hear me, be sure to give me a call!

>73 de Javier OH8/AH6MM QSL VIA KJ6BK  
> 150 Km south of the Arctic Circle, in the City of OULU, FINLAND

>replies to: CAMPOS@ntcclu.ntc.nokia.com

I have read this complaint on the R7 several times now. They sent me new traps more than once. They finally told me how to tune the traps. I had to adjust the 30 and 17M traps. The 30M trap resonates about right on top of WWV as it comes out of the box.

It's hard to believe that Cushcraft keeps shipping them this way. They must have them manufactured way ahead and don't want to bear the expense of correcting them.

Other than that it works well. (After I adjusted the traps). Well designed. I don't understand why they can't tune them right before they ship them or at least send you one that is tuned right.

\*\*\*\*\*

\* Alan Harp K4PB \* Bell-Northern Research \* CW FOREVER \*  
\* mail: harp@bnr.ca \* Research Triangle Park, NC \*  
\*\*\*\*\*

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Date: 30 Jun 1993 16:29:38 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!casbah.acns.nwu.edu!rdewan@network.UCSD.EDU  
Subject: Good Band for CW QRP Operation  
To: info-hams@ucsd.edu

In article <C9FxK5.28L@hpcvsnz.cv.hp.com> charlier@lsid.hp.com (Charlie Panek) writes:

>  
> Another thing favoring 30m is the fact that DX worked there \*doesn't\*  
>count for DXCC. Kinda helps reduce pile-ups a bit...  
>

My understanding is that it does count for DXCC but it cannot be a band choice for 5BDXCC.

Rajiv

-----  
Address Internet: r-dewan@nwu.edu  
Amateur Radio Packet: aa9ch@w81vn.il.usa.na  
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Date: 30 Jun 93 08:07:26 EDT

From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!saimiri.primate.wisc.edu!  
news.crd.ge.com!sunblossom!ge-dab!cho006.cho.ge.com!wright\_t@network.UCSD.EDU  
Subject: Icom IC229 mods - problems  
To: info-hams@ucsd.edu

I have an Icom IC-229H. There are mods for extending the receiver coverage as well as extending the transmitter coverage. I have mod instructions from several sources and they all appear to be 'wrong' for my radio. All mod instructions call for cutting diode 'D5' and adding a jumper at 'land' point on the circuit board. I cannot find D5 or 'land' point. One of the mods has a top view of the radio circuit board pointing out the locations of D5 and 'land'. Also, it shows pots for adjusting transmitter output and deviation. My radio doesn't look anything like the diagram and I feel that the IC229 may have undergone a complete redesign. Does anyone have any info regarding this radio ?

Please post any replies here.

Tim Wright --- KD4Z00

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Date: Wed, 30 Jun 1993 16:18:24 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!math.ohio-state.edu!magnus.acs.ohio-  
state.edu!csn!hellgate.utah.edu!fcom.cc.utah.edu!park.uvcc.edu!cc.uvcc.edu!  
bowersda@network.UCSD.EDU  
Subject: Need help finding kits!!!  
To: info-hams@ucsd.edu

I was hoping someone out there might be able to help...

My friend Tracy and I just passed our no-code tech tests 2-weeks ago and while awaiting our licenses were hoping to start work building some kits and learning more about our new hobby/avocation.

The problem is, we can't seem to be able to find any place to get kits for mobile or base ham bands. Can someone out in netland guide us to a company that sells this type of kit so that we may gain a better understanding of how our equipment operates and what we can do to keep it in good condition besides send it to the factory.

We heard that Heath was out of business B^ and would like to find a similiar type company to work with. My understanding is that RadioShack just sells parts and assembled units.

Any help/pointers/info would be appreciated. Post or E-mail and if anyone else is interested we would be glad to post a summary.

Thanx for your time...

=====

David S. Bowers # ||||| # There,  
Utah Valley Community College # ( 0 0 ) # but for the  
bowersda@cc.uvcc.edu # --uuuu---U---uuuu--# grace of God  
(801) 222-8000 ext. 8317 # | SAY WHAT? |# go I...

=====

-----  
Date: 30 Jun 93 04:54:22 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!cerritos.edu!wilbur!qed!  
hash@network.UCSD.EDU  
Subject: Pirate Radio  
To: info-hams@ucsd.edu

Does anyone know of the outcome of that lawsuit in Texas where the FCC

is suing/has sued the teenage operator of a local unlicensed broadcast?

-----  
hash@qedbbs.com (Pete Benton) or qed!hash  
The QED BBS -- (310)420-9327

-----  
Date: Wed, 30 Jun 1993 01:18:52 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!  
knuth.mtsu.edu!raider!theporch!jackatak!martinbw@network.UCSD.EDU  
Subject: Questions about wire.  
To: info-hams@ucsd.edu

I am trying to find some wire to power the radios and other equipment in my car. What I am looking for has 2 stranded conductors with a black and red insulation so that I only have to deal with one wire as I am installing it and I can tell which wire goes where (Red to + and black to - side of the battery) I am looking for this stuff in 12 gauge to handle 15 amps @ ~13.8 volts and in 8 gauge to handle 50 amps+ @~13.8 volts. I have looked all over Nashville, TN from Home Depot to Radio Shack to the little electronic Junk store called Javanco (realy a nice place to find odd little electronic stuff). I am looking for realativly small amounts of this stuff (20-30 ft.) but any help would be appreciated.

Also a technical question do the number of strands and the size of the strands in a wire affect the current and or voltage handling characteristics of a piece of wire. I am wondering if I can useheavy gauge speaker wire if I cannot find what I am looking for above. The monster cable type of speaker wire that I have seen has lots of very finestrands that make up the wire and I wonder about its current handling capability.

73

\*\*\*\*\*  
\* Bruce W. Martin Internet: martinbw@jackatak.raidernet.com \*  
\* 4558 Brooke Valley Dr. AOL: Dragon16 \*  
\* Hermitage TN 37076-2650 HAM Call: KQ4TV \*  
\* Voice: (615) 872-9942 Work: (615) 244-2022 \*  
\* FAX/MODEM: (615) 885-4182 \*  
\*\*\*\*\*

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Date: Wed, 30 Jun 1993 17:05:12 GMT  
From: pa.dec.com!e2big.mko.dec.com!peavax.mlo.dec.com!rwcvax.enet.dec.com!  
coulson@decwrl.dec.com  
Subject: Repeater coordination, complaints?  
To: info-hams@ucsd.edu

>From: jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems)  
>Newsgroups: rec.radio.amateur.misc  
>Subject: Repeater coordination, complaints?  
>Distribution: na  
>Message-ID: <20sami\$594@dr-pepper.East.Sun.COM>  
>NNTP-Posting-Host: hienergy.east.sun.com  
>  
>I live in central Mass. We have a local repeater on 147.315 (WB1EWS). There  
>is a repeater in Prospect, CT (N1ADE) on the same frequency that is at least  
>a couple hundred miles away, yet can be heard daily, from S3 to S7 or so,  
>in our area, and most other areas in central mass and northern NH. This is  
>very annoying and seems unnecessary. The trustee has been approached and seems  
>unconcerned. He is reportedly running legal limit and is on a high tower.  
>Some of us were discussing what course of action was available to us to  
>get this problem resolved. We came up blank. I'm sure the FCC doesn't want to  
>hear it, coordination maybe? Anybody been through this before? Any suggestions?  
>  
>--

>Jim Vienneau, Sun Microsystems Inc - Chelmsford, MA  
>Email: jimv@east.sun.com, Amateur Radio: WB1B  
>Good old Ma Bell (well old anyway): (508)442-0372  
>  
>  
>

>>From: brian@nothing.ucsd.edu (Brian Kantor)  
>>Newsgroups: rec.radio.amateur.misc  
>>Subject: Re: Repeater coordination, complaints?  
>>Date: 30 Jun 1993 15:52:17 GMT  
>>Organization: The Avant-Garde of the Now, Ltd.  
>>Message-ID: <20scrhINN8f5@network.ucsd.edu>  
>>References: <20sami\$594@dr-pepper.East.Sun.COM>  
>>NNTP-Posting-Host: nothing.ucsd.edu  
>>  
>>Install tone encode in your repeater transmitter and tone decode in all  
>>your user stations.  
>>  
>>Band crowding and frequency re-use is a fact of life. Learn to live  
>>with it.  
>> - Brian  
>>  
>>

>>

I could not agree more with Brian. The commercial services have been doing this and have been required to do it for many, many years. This was also brought up at the NESMC BOD meeting recently and at a previous NESMC (New England Spectrum Management Council) general membership meeting. The recommendation was exactly as Brian suggested; install tone encode on the repeater transmitter; cost is about \$20, very cheap solution.

--

Roger Coulson WA1NVC

(Easynet) RWCVAX::Coulson  
(Internet) coulson@rwcvax.enet.dec.com  
(Telephone) (508) 493-6158

(US MAIL) Digital Equipment Corporation  
146 Main Street MS: ML05-5/T49  
Maynard, MA 01754

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Disclaimer: Views expressed herein are my own and do not necessarily reflect those of my employer.

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Date: 30 Jun 1993 17:43:57 GMT  
From: koriel!news2me.EBay.Sun.COM!seven-up.East.Sun.COM!dr-pepper.East.Sun.COM!  
hienergy!jimv@ames.arpa  
Subject: Repeater coordination, complaints?  
To: info-hams@ucsd.edu

>The recommendation was exactly as Brian suggested; install tone encode on the  
>repeater transmitter; cost is about \$20, very cheap solution.

Very cheap for the repeater owner perhaps, but not the users. Perhaps you didn't notice that PL decode is optional on most mobile rigs? Again, your answer is "let them do what ever they want, you'll have to compensate". This is a cop-out. If everyone's running legal limit with PLs, what a fine mess we'll have. Sounds like the foxes are watching the chicken coup.

--

Jim Vienneau, Sun Microsystems Inc - Chelmsford, MA  
Email: jimv@east.sun.com, Amateur Radio: WB1B  
Good old Ma Bell (well old anyway): (508)442-0372

-----  
Date: 30 Jun 1993 17:35:35 GMT  
From: koriel!news2me.EBay.Sun.COM!seven-up.East.Sun.COM!dr-pepper.East.Sun.COM!  
hienergy!jimv@ames.arpa  
Subject: Repeater coordination, complaints?  
To: info-hams@ucsd.edu

In article <20scrhINN8f5@network.ucsd.edu> brian@nothing.ucsd.edu (Brian Kantor) writes:  
>Install tone encode in your repeater transmitter and tone decode in all  
>your user stations.  
>  
>Band crowding and frequency re-use is a fact of life. Learn to live  
>with it.  
> - Brian

Although I agree that we have no expectation of exclusivity of a frequency, we still need to share the spectrum in a responsible manner. Running legal limit which reaches into areas with other coordinated repeaters, that you have no chance of receiving from, is just irresponsible in my book. We could do the same, run legal limit, put it on a beam pointed south, does that solve the problem? Requiring all the users to buy PL decode boards is not an ideal option either. I guess I don't really expect a resolution to this problem, but where does it end?

--  
Jim Vienneau, Sun Microsystems Inc - Chelmsford, MA  
Email: jimv@east.sun.com, Amateur Radio: WB1B  
Good old Ma Bell (well old anyway): (508)442-0372

-----  
Date: Wed, 30 Jun 93 16:10:55 GMT  
From: usc!sdd.hp.com!caen!usenet.coe.montana.edu!netnews.nwnet.net!serval!  
wsuaix.csc.wsu.edu!i7994779@network.UCSD.EDU  
Subject: Repeater coordination, complaints?  
To: info-hams@ucsd.edu

In article <20sami\$594@dr-pepper.East.Sun.COM> jimv@hienergy.East.Sun.COM (Jim Vienneau - Sun Microsystems) writes:  
>I live in central Mass. We have a local repeater on 147.315 (WB1EWS). There  
>is a repeater in Prospect, CT (N1ADE) on the same frequency that is at least  
>a couple hundred miles away, yet can be heard daily, from S3 to S7 or so,  
>in our area, and most other areas in central mass and northern NH. This is  
>very annoying and seems unnecessary. The trustee has been approached and seems  
>unconcerned. He is reportedly running legal limit and is on a high tower.  
>Some of us were discussing what course of action was available to us to

>get this problem resolved. We came up blank. I'm sure the FCC doesn't want to  
>hear it, coordination maybe? Anybody been through this before? Any suggestions?  
>--  
>Jim Vienneau, Sun Microsystems Inc - Chelmsford, MA  
>Email: jimv@east.sun.com, Amateur Radio: WB1B

I thought that's why they had CTCSS tones. Why not have one of the repeaters  
on a tone so as to illiminate the problem.

--

---

Patrick D. Walters Washington State University  
i7994779@wsuaix.csc.wsu.edu NW Collegiate Cycling Conference Director  
Voice at (unavailable) KB7VPO

---

-----  
Date: Wed, 30 Jun 93 16:50:57 GMT  
From: walter!porthos!dancer!whs70@uunet.uu.net  
Subject: Repeater coordination, complaints?  
To: info-hams@ucsd.edu

In article <20sami\$594@dr-pepper.East.Sun.COM> jimv@hienergy.East.Sun.COM  
(Jim Vienneau - Sun Microsystems) writes:  
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>unconcerned. He is reportedly running legal limit and is on a high tower.  
>Some of us were discussing what course of action was available to us to  
>get this problem resolved. We came up blank. I'm sure the FCC doesn't want to  
>hear it, coordination maybe? Anybody been through this before? Any suggestions?

I'm not sure exactly what the problem is here. There doesn't seem to be  
a coordination problem as the users of the CT repeater are not bringing  
up the Mass. repeater or vice versa. Does the signal from the CT  
repeater actually cause interference with the output of the Mass.  
repeater if both signals are present? If not, then it seems the  
complaint is that the CT signal probably is strong enough when  
the Mass. repeater is not transmitting that the Mass hams that are  
monitoring 147.315 have their squelch overridden and they end  
up listening to the CT repeater. I suppose that's annoying, especially  
if in a scanning mode, but that's not really any type of interference  
problem or coordination problem as far as I can tell.

Best technical solution is to have the Mass repeater add a tone activated

squelch signal.

Final note, I think if the distance was measured from central Mass to the repeater in CT, I doubt it would be a couple hundred miles. New York City to Boston is only 250 miles by car, and that's sure not line-of-sight.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

---

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)  
Morristown, NJ email via UUCP bcr!cc!whs70  
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

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Date: Wed, 30 Jun 1993 16:05:40 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!  
gatekeeper.es.dupont.com!esds01.es.dupont.com!  
GRIB%esvx17.es.dupont.com@network.UCSD.EDU  
Subject: Where to find beginner's rigs?  
To: info-hams@ucsd.edu

In article <9306291342.AA08230@ucsd.edu>, ryme@husky.bloomu.edu writes:

>  
> Recently I have had the pleasure of helping newcomers study for and get their  
licenses. The experience is great! Really enjoy seeing the bright eyes and hearing  
the cheering when they pass the test!  
>  
> After the joy wears off, and they wait, and wait some more for the official  
ticket to come in the mail, these new hams begin to look for rigs.  
>  
> We have been around to the local hamfests. There are some good deals to be  
found, if the new hams have enough working capital. Most of the people I have  
helped are operating on a shoestring budget to start this hobby.  
>  
>s 1W - 5W enough power for these beginners to make a solid QSO?  
>Or should I steer them to higher power, older rigs like the Drake "twins" or a  
HW/SB-101?  
>  
> As a final point, these students have learned electronic basics building  
projects at the bench. They show a real interest in the hobby, and we encourage  
them to learn. They have also had some time doing SWL and sending off report  
letters for QSL's.  
>  
>  
>  
> 73's  
>

>  
>John N3PFF  
>  
> ~.  
John,

I'd recommend that you have your class stay away (for now) from the QRP stuff until they get their feet wet on the bands. I take it you're talking about HF and not 2 meters by the description of the rigs (Drake twins, etc). I'd recommend some of the Kenwood TS-520 series, Kenwood TS-820 series, Yaesu FT-101 series, etc. These rigs are "hybrids" which have solid state front end's and tube drivers/finals. This is a good way for these new hams to get the "hang" of what they were studying about tuned circuits, etc. Also, these older rigs are a bit more forgiving in cases of high SWR, and other problems. The tubes are still rather cheap, the rigs are in the \$300-\$500 range and most have cw filters (a necessity!! make sure that the rig has one before buying because the cost is pretty high to get one!). Also, when these folks upgrade (or on 10 meters), they can operate phone if they want to with the rig that they have and not have to fight propagation with a 1 to 2 watt signal. If that's their direction after they get accustomed to ham operating, then wonderful, QRP is a lot of fun and can be quite exciting especially at the milliwatt level, but most new hams have enough trouble without a weak signal coming from their rig to make and keep a QSO going especially on 40 and 80 meters. Check the yellow sheets, hamfests, and there are several different swap nets (on HF and VHF) that have gear listed for sale. One east coast swap net is on Monday and Friday starting at 8:00 on 3.890 MHz and another is on Wednesday night starting at 8:00 on 3.910 MHz. I'm sure that there are others in the mid-west and on the west coast. You'll have to do some looking and keep that telephone close by, cuz the red hot deals go fast!!

Good Luck

Joe KI3B

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Date: Wed, 30 Jun 1993 16:14:33 GMT  
From: sgi!odin!chuck.dallas.sgi.com!adams@ames.arpa  
To: info-hams@ucsd.edu

References <C8zEAt.Myp@odin.corp.sgi.com>, <m2budaINNdt9@news.bbn.com>, <steviewC9EK5C.HIG@netcom.com>  
Subject : Re: FD ARRL Section List

In article <steviewC9EK5C.HIG@netcom.com>, steview@netcom.com (Steven Wilson) writes:  
> In article <m2budaINNdt9@news.bbn.com>, levin@bbn.com (Joel B Levin) writes:  
> > adams@chuck.dallas.sgi.com (Charles Adams) writes:

```
|> >
|> > |6 EB LAX ORG SB SCV SDGO SF SJV SV PAC
|> >
|> > Prize goes to anyone who can identify the names of these sections. My
|> > first field day I had a heck of a time finding these sections in CT
|> > based on their spoken names (is it SCV? or SJV? or just SV?).
|>
|> Yes ;-)
|>
|> SCV - Santa Clara Valley
|> SJV - San Joquin Valley
|> SV - Sacramento Valley
|>
|> 73's de Steve KA6S (SM SCV ;-)
|>
```

WOW gang. somebody changed this. check the original. i did not  
ask for this info. i know this! ask Jack Benny used to say "Now Stop It!"

73 ; -)

--

"This is UNIX(tm)! I know this." - Lex in Jurassic Park in front of  
SGI workstation.

Chuck Adams, K5FO - CW spoken here....70+ wpm  
adams@sgi.com

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Date: 30 Jun 93 15:14:53 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
darwin.sura.net!news-feed-1.peachnet.edu!concert!duke!news.duke.edu!  
ee.egr.duke.edu!jbs@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <9306281219.AA04823@umassmed.UMMED.EDU>,  
<1993Jun28.165729.3404@news.unomaha.edu>,  
<1993Jun29.151124.28334@bongo.tele.com>oncert  
Subject : Re: Field Day. A bummer!

In article <1993Jun29.151124.28334@bongo.tele.com> julian@bongo.tele.com (Wayne  
Greene) writes:

> I talk at a lot of amateur radio clubs. So I get a good idea  
>of what they are all about. It seems there are two topics at ham  
>clubs:

> 1. What we are going to do on field day.  
> 2. What we did on field day.

also:

> What's wrong with the club repeater and when are we going to  
>fix it.  
> Sound like your local club?

Actually, no. I belong to three clubs, and none of them match this description.

I guess your mileage varies.

-joe KD4LLV

--

You spend the night  
Like you were spending a dime  
- Lyle Lovett

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End of Info-Hams Digest V93 #799  
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